

RDR**TILC08****SB2009****Circumference (m)****6695****6476****3238**

Energy (GeV)

5

5

5

Bunch number

2625

2610

1305

N particles/bunch

 2×10^{10} 2×10^{10} 2×10^{10} Damping time τ_x (ms)

25.7

21

24

Emittance ε_x (nm)

0.51

0.48

0.53

Emittance ε_y (pm)

2

2

2

Momentum compaction

 4.2×10^{-4} 1.7×10^{-4} 1.3×10^{-4}

Energy loss/turn (MeV)

8.7

10.3

4.4

Energy spread

 1.3×10^{-3} 1.3×10^{-3} 1.2×10^{-3}

Bunch length (mm)

9

6

6

RF Voltage (MV)

24

21

7.5

RF frequency (MHz)

650

650

650

B wiggler (T)

1.67

1.6

1.6

Lwig total

200

216

78

Number of wigglers

80

88

32